

#6 OIPE

RAW SEQUENCE LISTING

DATE: 06/25/2001

PATENT APPLICATION: US/09/758,593A

TIME: 11:38:59

Input Set : A:\pc0025cip_subseqlisting.txt

Output Set: N:\CRF3\06252001\I758593A.raw

ENTERED

2 <110> APPLICANT: Walker, Michael, G.
 4 <120> TITLE OF INVENTION: Ankyrin Repeat Domain 2 Protein
 6 <130> FILE REFERENCE: PC-0025 CIP
 C--> 8 <140> CURRENT APPLICATION NUMBER: US/09/758,593A
 C--> 9 <141> CURRENT FILING DATE: 2001-06-11
 11 <160> NUMBER OF SEQ ID NOS: 12
 12 <170> SOFTWARE: PERL Program
 14 <210> SEQ ID NO: 1
 15 <211> LENGTH: 329
 16 <212> TYPE: PRT
 17 <213> ORGANISM: Homo sapiens
 19 <220> FEATURE:
 20 <221> NAME/KEY: misc_feature
 21 <223> OTHER INFORMATION: Incyte ID No: 5578191CD1
 23 <400> SEQUENCE: 1
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 25 1 5 10 15
 26 Gln Arg Leu Ala Gln Glu Glu Glu Asn Glu Lys Leu Arg Gly Asp
 27 20 25 30
 28 Thr Arg Gln Lys Leu Pro Met Asp Leu Leu Val Leu Glu Asp Glu
 29 35 40 45
 30 Lys His His Gly Ala Gln Ser Ala Ala Leu Gln Lys Val Lys Gly
 31 50 55 60
 32 Gln Glu Arg Val Arg Lys Thr Ser Leu Asp Leu Arg Arg Glu Ile
 33 65 70 75
 34 Ile Asp Val Gly Gly Ile Gln Asn Leu Ile Glu Leu Arg Lys Lys
 35 80 85 90
 36 Arg Lys Gln Lys Lys Arg Asp Ala Leu Ala Ala Ser His Glu Pro
 37 95 100 105
 38 Pro Pro Glu Pro Glu Glu Ile Thr Gly Pro Val Asp Glu Glu Thr
 39 110 115 120
 40 Phe Leu Lys Ala Ala Val Glu Gly Lys Met Lys Val Ile Glu Lys
 41 125 130 135
 42 Phe Leu Ala Asp Gly Gly Ser Ala Asp Thr Cys Asp Gln Phe Arg
 43 140 145 150
 44 Arg Thr Ala Leu His Arg Ala Ser Leu Glu Gly His Met Glu Ile
 45 155 160 165
 46 Leu Glu Lys Leu Leu Asp Asn Gly Ala Thr Val Asp Phe Gln Asp
 47 170 175 180
 48 Arg Leu Asp Cys Thr Ala Met His Trp Ala Cys Arg Gly Gly His
 49 185 190 195
 50 Leu Glu Val Val Lys Leu Leu Gln Ser His Gly Ala Asp Thr Asn
 51 200 205 210
 52 Val Arg Asp Lys Leu Leu Ser Thr Pro Leu His Val Ala Val Arg
 53 215 220 225
 54 Thr Gly Gln Val Glu Ile Val Glu His Phe Leu Ser Leu Gly Leu
 55 230 235 240

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56 Glu Ile Asn Ala Arg Asp Arg Glu Gly Asp Thr Ala Leu His Asp
57                               245                250                255
58 Ala Val Arg Leu Asn Arg Tyr Lys Ile Ile Lys Leu Leu Leu Leu
59                               260                265                270
60 His Gly Ala Asp Met Met Thr Lys Asn Leu Ala Gly Lys Thr Pro
61                               275                280                285
62 Thr Asp Leu Val Gln Leu Trp Gln Ala Asp Thr Arg His Ala Leu
63                               290                295                300
64 Glu His Pro Glu Pro Gly Ala Glu His Asn Gly Leu Glu Gly Pro
65                               305                310                315
66 Asn Asp Ser Gly Arg Glu Thr Pro Gln Pro Val Pro Ala Gln
67                               320                325
69 <210> SEQ ID NO: 2
70 <211> LENGTH: 1158
71 <212> TYPE: DNA
72 <213> ORGANISM: Homo sapiens
74 <220> FEATURE:
75 <221> NAME/KEY: misc_feature
76 <223> OTHER INFORMATION: Incyte ID No: 5578191CB1
78 <400> SEQUENCE: 2
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81 gctgcccatt gacttgctgg tgctggagga tgagaagcac cacggggctc agagtgcagc 180
82 cctgcagaag gtgaagggcc aagagcgcgt gcgcaagacg tccctggacc tgcggcggga 240
83 gatcatcgat gtgggcggga tccagaacct catcgagctg cggaagaaac gcaagcagaa 300
84 gaagcgggac gctctggccg cctcgcatga gccgccccca gagcccgagg agatcactgg 360
85 ccctgtggat gaggagacct tcctgaaagc tgcggtggag gggaaaatga aggtcattga 420
86 gaagttcctg gctgacgggg ggctagccga cacgtgcgac cagttccgtc ggacagcact 480
87 gcaccgagct tccctggaag gccacatgga aatcctggag aagcttctag ataatggggc 540
88 cactgtggac ttccaggatc ggctggactg cacagccatg cattgggcct gccgcggggg 600
89 ccacttagag gtggtgaaac ttctgcaaag ccatggagca gacaccaatg tgagggataa 660
90 gctgctgagc accccgctgc acgtggcagt ccggacaggg caggtggaga ttgtggagca 720
91 ctttctatcc ctgggcctgg aaatcaatgc cagagacagg gaaggggata ctgccctgca 780
92 tgacgctgtg aggtcaacc gctacaaaat catcaaactg ctgctcctgc atggggctga 840
93 catgatgacc aagaacctgg caggaaagac cccgacggac ctggtgcagc tctggcaggc 900
94 tgatacccgg cacgccctgg agcatcctga gccgggggct gagcataacg ggctggaggg 960
95 gcctaataat agtgggagag agacccctca gcctgtgcca gccagtgaa tgcgtgcccc 1020
96 agcccagcca gctaccagc ccctctctgt gtgcagccgg agggtcctaa gaatggctcc 1080
97 cggagctaac tgagggccca gccttttttc tgcattgatc aggagcacat accacaaact 1140
98 accacaataa aaaagctg                                     1158
100 <210> SEQ ID NO: 3
101 <211> LENGTH: 576
102 <212> TYPE: DNA
103 <213> ORGANISM: Homo sapiens
105 <220> FEATURE:
106 <221> NAME/KEY: misc_feature
107 <223> OTHER INFORMATION: Incyte ID No: 972118R6
109 <400> SEQUENCE: 3
110 gacggcacca tggaggactc cgaggcgggtg cagagggcca cagcgctcat cgagcagcgg 60

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111 ctggcacagg aggaggagaa tgagaaactc cgaggagacg cacgccagaa gctgcccattg 120
112 gacttgctgg tgctggagga tgagaagcac cacggggctc agagtgcagc cctgcagaag 180
113 gtgaagggcc aagagcgcggt gcgcaagacg tccctggacc tgcggcggga gatcatcgat 240
114 gtgggcggga tccagaacct catcgagctg cggaagaaac gcaagcagaa gaagcgggac 300
115 gctctggccg cctcgcatga gccgccccca gagcccgagg agatcactgg ccctgtggat 360
116 gaggagacct tctgaaagc tgcggtggag gggaaacatg aaggtcattg agaagttcct 420
117 ggctgacggg gggtcagccg acacgtgcga ccagttccgt cggacagcac tgcaccgagc 480
118 ttccctggaa gggccacatg gaaatcctgg agaagcttct agataatggg gccactgtgg 540
119 acttccagga tcggtggac tgcacagcca tgcatt 576
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122 <211> LENGTH: 253
123 <212> TYPE: DNA
124 <213> ORGANISM: Homo sapiens
126 <220> FEATURE:
127 <221> NAME/KEY: misc_feature
128 <223> OTHER INFORMATION: Incyte ID No: 4852018H1
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132 ttgagaagtt cctggctgac ggggggtcag ccgacacgtg cgaccagttc cgctcgacag 120
133 cactgcaccg agcttccctg gaaggccaca tggaaatcct ggagaagctt ctagataatg 180
134 gggccactgt ggacttccag gatcggctgg actgcacagc catgcattgg gcctgccgcg 240
135 ggggccactt aga 253
137 <210> SEQ ID NO: 5
138 <211> LENGTH: 569
139 <212> TYPE: DNA
140 <213> ORGANISM: Homo sapiens
142 <220> FEATURE:
143 <221> NAME/KEY: misc_feature
144 <223> OTHER INFORMATION: Incyte ID No: 972118T6
146 <400> SEQUENCE: 5
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148 gaccctccgg ctgcacacag agaggggctg ggtagctggc tgggctgggg cacgcattca 120
149 ctgggctggc acaggctgag ggggtctctc cccactatca ttagggccct ccagcccgtt 180
150 atgctcagcc cccggctcag gatgctccag ggcgtgccg gtatcagcct gccagagctg 240
151 caccaggtcc gtcgggggtct ttcctgccag gttcttggtc atcatgtcag ccccatgcag 300
152 gagcagcagt ttgatgattt ttagcgggt gagcctcaca gcgtcatgca gggcagtatc 360
153 cccttccctg tctctggcat tgatttccag gccagggat agaaagtgtc ccacaatctc 420
154 cacctgccct gtcgggactg ccacgtgcag cggggtgctc agcagcttat ccctcacatt 480
155 ggtgtctgct ccatggcttt gcagaagttt caccacctct aagtggcccc cgcggcaggc 540
156 ccaatgcatg gctgtgcagt ccagccgat 569
158 <210> SEQ ID NO: 6
159 <211> LENGTH: 330
160 <212> TYPE: DNA
161 <213> ORGANISM: Homo sapiens
163 <220> FEATURE:
164 <221> NAME/KEY: misc_feature
165 <223> OTHER INFORMATION: Incyte ID No: 7350215H1
167 <400> SEQUENCE: 6
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TIME: 11:38:59

Input Set : A:\pc0025cip_subseqlisting.txt

Output Set: N:\CRF3\06252001\I758593A.raw

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170 ggcgagagac ccctcagcct gtgccagccc agtgaatgcg tgccccagcc cagccagcta 180
171 cccagcccct ctctgtgtgc agccggaggg tcctaagaat ggctcccga gctaactgag 240
172 ggcccagcct tttttctgca tgatccagga gcacatacca caaactacca caataaaaaa 300
173 gctgtttttg ctaattgcga tgttcatttc 330

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178 <213> ORGANISM: Rattus norvegicus

180 <220> FEATURE:

181 <221> NAME/KEY: misc_feature

182 <223> OTHER INFORMATION: Incyte ID No: 700911986H1

184 <400> SEQUENCE: 7

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185 tggaaaggcac catggagggt cccgaggctg tgcaagagc cacagagctc atcgagcagc 60
186 ggcttgccga ggaggaagag actgagaaac ttcgaagagc cactcctggg aagacgtcca 120
187 tggacatgct agtgctagag gacgagaagc gcctcggggg gcagagtcct gctttacaaa 180
188 aggttaaggg ccaagagcgc gtgcgcaaga catccctgga cttgcgacgt gagatcattg 240
189 acgtgggcgg gatcc 255

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191 <210> SEQ ID NO: 8

192 <211> LENGTH: 275

193 <212> TYPE: DNA

194 <213> ORGANISM: Rattus norvegicus

196 <220> FEATURE:

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198 <223> OTHER INFORMATION: Incyte ID No: 701144158H1

200 <400> SEQUENCE: 8

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203 atgctagtgc tagaggacga gaagcgctg ggggtgcagag tcctgcttta caaaaggtta 180
204 agggccaaga gcgcgtgcgc aagacatccc tggacttgcg acgtgagatc attgacgtgg 240
205 gcgggatcca gaacctcata gaactgagga aaaaa 275

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210 <213> ORGANISM: Rattus norvegicus

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213 <221> NAME/KEY: misc_feature

214 <223> OTHER INFORMATION: Incyte ID No: 700188047H1

216 <220> FEATURE:

217 <221> NAME/KEY: unsure

218 <222> LOCATION: 54, 80, 121

219 <223> OTHER INFORMATION: a, t, c, g, or other

221 <400> SEQUENCE: 9

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W--> 224 nggacacatg gagatactgg agaaacttct ggagaaatggg gccaccgtgg acttccagga 180
225 tcgcctggac tgcacagcca tgcactgggc ctgccgtgga ggccacctgg aggtggtgaa 240
226 atcttgcaaa gtcggggggc caacaccgac gtgagagaca agctatgagc actcccctgc 300
227 atgtgggcgt ccgta 315

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DATE: 06/25/2001

PATENT APPLICATION: US/09/758,593A

TIME: 11:38:59

Input Set : A:\pc0025cip_subseqlisting.txt

Output Set: N:\CRF3\06252001\I758593A.raw

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230 <211> LENGTH: 207
231 <212> TYPE: DNA
232 <213> ORGANISM: Rattus norvegicus
234 <220> FEATURE:
235 <221> NAME/KEY: misc_feature
236 <223> OTHER INFORMATION: Incyte ID No: 700913268H1
238 <400> SEQUENCE: 10
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240 tacaaaaatca tcaaactgct gctcttgcat ggggcagaca tgatggctaa gaatatggcg 120
241 gggaagaccc ctaccgacct ggtccagctg tggcaagcag acacccggca tgccctggag 180
242 caccctgaac cagaatcaga gcagaac 207
244 <210> SEQ ID NO: 11
245 <211> LENGTH: 328
246 <212> TYPE: PRT
247 <213> ORGANISM: Mus musculus
249 <220> FEATURE:
250 <221> NAME/KEY: misc_feature
251 <223> OTHER INFORMATION: Incyte ID No: g9501360
253 <400> SEQUENCE: 11
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257 20 25 30
258 Ala Pro Gly Lys Leu Ser Met Asp Met Leu Val Leu Glu Glu Glu
259 35 40 45
260 Lys Arg Leu Gly Val Gln Ser Pro Ala Leu Gln Lys Val Lys Gly
261 50 / 55 60
262 Gln Glu Arg Val Arg Lys Thr Ser Leu Asp Leu Arg Arg Glu Ile
263 65 70 75
264 Ile Asp Val Gly Gly Ile Gln Asn Leu Ile Glu Leu Arg Lys Lys
265 80 85 90
266 Arg Lys Gln Lys Lys Arg Asp Ala Leu Ala Ala Ala Gln Glu Pro
267 95 100 105
268 Pro Pro Glu Pro Glu Glu Ile Thr Gly Pro Val Asn Glu Glu Thr
269 110 115 120
270 Phe Leu Lys Ala Ala Val Glu Gly Lys Met Lys Val Ile Asp Lys
271 125 130 135
272 Tyr Leu Ala Asp Gly Gly Ser Ala Asp Thr Cys Asp Glu Phe Arg
273 140 145 150
274 Arg Thr Ala Leu His Arg Ala Ser Leu Glu Gly His Met Glu Ile
275 155 160 165
276 Leu Glu Lys Leu Leu Glu Asn Gly Ala Thr Val Asp Phe Gln Asp
277 170 175 180
278 Arg Leu Asp Cys Thr Ala Met His Trp Ala Cys Arg Gly Gly His
279 185 190 195
280 Leu Glu Val Val Arg Leu Leu Gln Ser Arg Gly Ala Asp Thr Asn
281 200 205 210
282 Val Arg Asp Lys Leu Leu Ser Thr Pro Leu His Val Ala Val Arg

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VERIFICATION SUMMARY

DATE: 06/25/2001

PATENT APPLICATION: US/09/758,593A

TIME: 11:39:00

Input Set : A:\pc0025cip_subseqlisting.txt

Output Set: N:\CRF3\06252001\I758593A.raw

L:8 M:270 C: Current Application Number differs, Replaced Current Application Number

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:222 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9

L:223 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9

L:224 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9